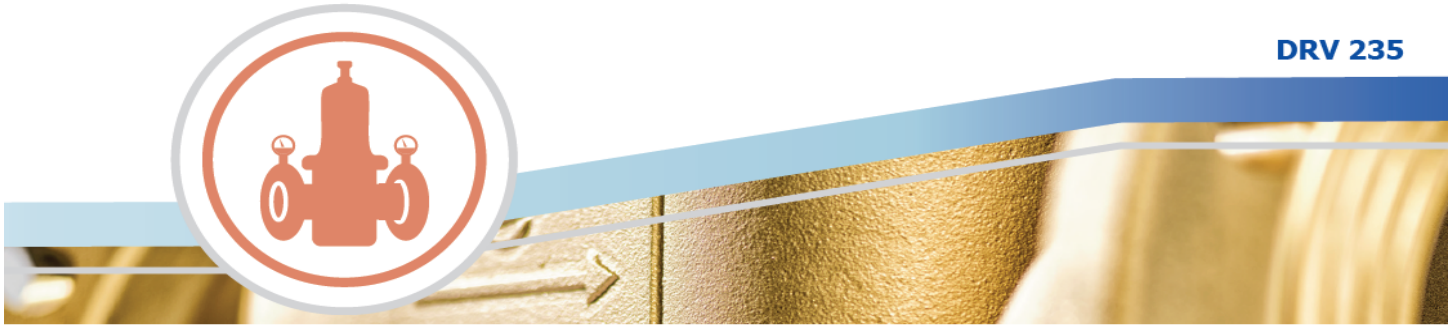
PROTEK
Processteknik GH AB

DRV 235



DRV 235
Type A (DN 8 - DN 25)

DRV 235
Type B (DN 32 - DN 50)

Pressure reducing valve
Flange • High pressure
Red bronze

Pressure reducing valves of the series are piston-controlled, spring-loaded pressure reducing valves. The series has a high setting accuracy and good response behaviour due to the low friction of the few moving internal parts.

DGRL 2014/68/EU CE

Classification societies

- DNV GL
- LR
- BV
- ABS
- CCS

Customs tariff number

84811099

Media

The pressure reducers are suitable for use with compressed air and neutral gases, but can also be used for water and neutral liquids when smaller flow rates are required.

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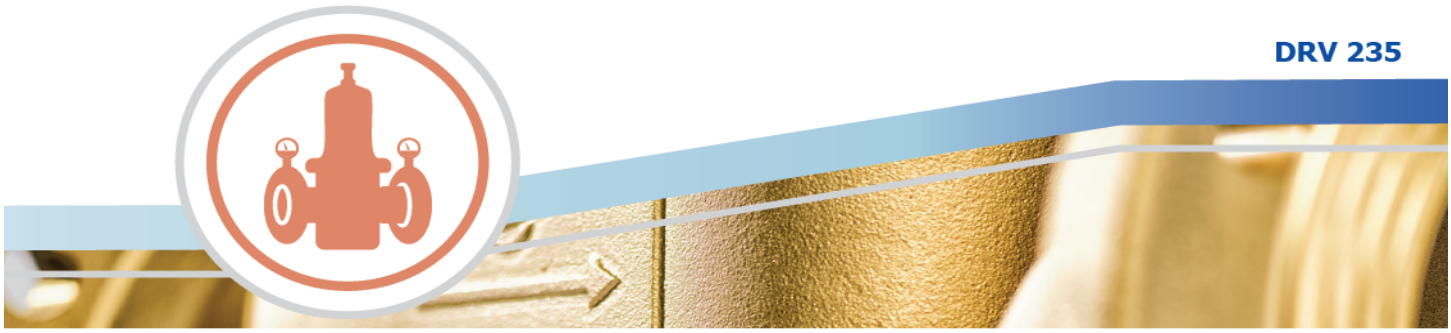

Features

- non-pressure-reliefed single seated valve
- diaphragm-controlled
- continously adjustable outlet pressure
- max. inlet pressure up to 60 bar
- outlet pressure: 1,5 - 45 bar
- highest reduction ratio 6:1
- flanges acc. DIN EN 10920 PN 40, optionally ANSI/JIS
- double-ended G ¼" manometer fitting (for outlet pressure)
- assembly position: any desired, preferably vertical
- minimum pressure difference (inlet/outlet pressure):1 bar

Pressures

p1 max. 60 bar

p2 1,5 - 45 bar

Connections

Flange connection
acc. DIN EN 1092 PN 40
from DN 8 up to DN 50

Temperatures

The seals and membranes used allow temperatures up to max. 100°C.

from -15 °C up to +190 °C

Seals and temperatures

NBR	-15°C to +100°C
FPM*	-10°C to +190°C

* only DN 15 to DN 50

Special version for high temperature(-HT)

Often the temperature resistance of standard pressure reducers is not sufficient for your application. For such applications, various variants of the -HT series are available. This high temperature series is equipped with FPM seals. Thus, a maximum temperature resistance of 190°C is achieved with FPM seals in combination with metallic internal parts.

Please note that these pressure reducers are not suitable for use with steam.

Materials

	body	spring bonnet	seals	wetted parts	max. temperature
standard version	red bronze CC499K	up to DN 25 brass* from DN 32 cast iron	NBR	brass	100 °C
Special versions:					
high temperature (-HT)*	red bronze CC499K	up to DN 25 brass from DN 32 cast iron	FPM	brass	190 °C*

*only DN 15 to DN 50

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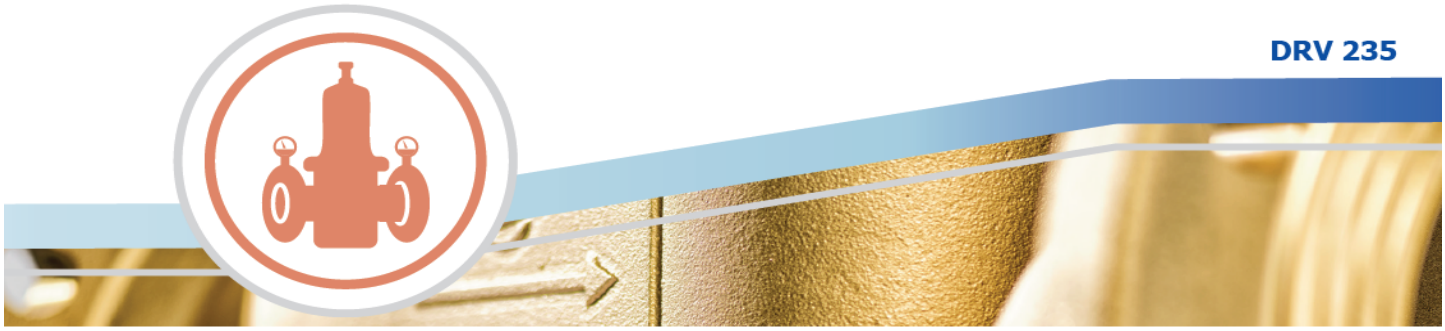
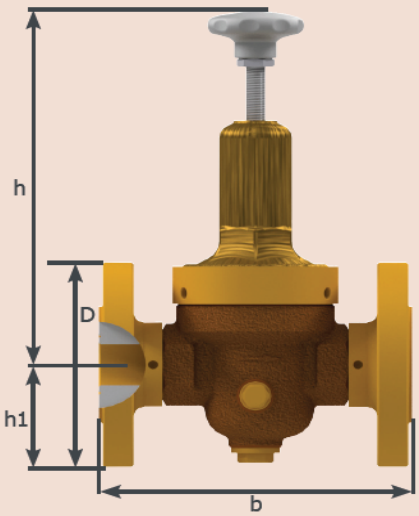
DRV 235



Technical data

nominal size		8	10	15	20	25	32	40	50
Type				A			B		
Pressures	inlet pressure [bar]								
max. 40 bar	DRV 235			40			40		
	outlet pressure [bar]								
1,5 - 20 bar	DRV 235			1,5 - 20			1,5 - 20		
Connections	dimensions [mm]								
Flange connection from DN 8 up to DN 50	DRV 235	D	80	90	95	105	115	140	150	165
		b	130	130	130	150	160	180	200	230
		h1	48	48	48	53	56	70	75	83
		h	147	147	181	181	201	302	332	329
	weight [kg]								
	DRV 235		1,2	1,2	3,5	4,4	5,8	10,9	12,1	17,5
	kvs-value [m³/h]								
	DRV 235		0,5	0,6	1,2	1,3	1,6	4,2	4,5	7,2